international journal of pharmaceutics

VOL. 204 NOS. 1–2 **CONTENTS** **25 AUGUST 2000**

Cited in: BIOSIS/Biological Abstracts, CAB Abstracts, Chemical Abstracts Service, Current Contents (Life Sciences, Clinical Medicine), EMBASE/Excerpta Medica, Elsevier BIOBASE/Current Awareness in Biological Sciences, International Pharmaceutical Abstracts, MEDLINE/Index Medicus, PASCAL M, Science Citation Index

Research papers

Quantitative correlation between initial dissolution rate and heat of fusion of drug substance
Y. Yoshihashi, H. Kitano, E. Yonemochi, K. Terada (Japan) 1

Preparation of enteric coated timed-release press-coated tablets and evaluation of their function by in vitro and in vivo tests for colon targeting
E. Fukui, N. Miyamura, K. Uemura, M. Kobayashi (Japan) 7

Determination of plasma concentrations of losartan in patients by HPLC using solid phase extraction and UV detection
P.K.F. Yeung, A. Jamieson, G.J. Smith, D. Fice, P.T. Pollak (Canada) 17

Plasticisation of amylodextrin by moisture: Consequences for drug release from tablets
R. Steendam, A.C.E. Eissens, H.W. Frijlink, C.F. Lerk (The Netherlands) 23

Intranasal administration of different liquid formulations of bumetanide to rabbits
H.W. Nielsen, E. Bechgaard, B. Twile, E. Didriksen, H. Sørensen (Denmark) 35

Fabrication of oral acid resistant Fermosorb (ferment + sorbent)-type preparations can be simplified using industrial *Bacillus subtilis* culture filtrates as an enzyme source
G.A. Biziulevičius, V. Žukaitė (Lithuania) 43

Effect of dosing time on the total intestinal transit time of non-disintegrating systems
G. Sathyan, S. Hwang, S.K. Gupta (USA) 47

Application of acid-treated yeast cell wall (AYC) as a pharmaceutical additive: I. AYC as a novel coating material
T. Kasai, T. Eguchi, N. Ishiwaki, J. Kaneshige, T. Ozeki, H. Yuasa (Japan) 53

Statistical assessment of between batch stability equivalence
M. Llabrés, A. Oliva, J. Fariña (Spain) 61

An investigation of some of the factors influencing the jet nebulisation of liposomes
P.A. Bridges, K.M.G. Taylor (UK) 69

Characterization and in vitro release of methotrexate from gelatin/methotrexate conjugates formed using different preparation variables
Kosasih, B.J. Bowman, R.J. Wigent, C.M. Ofner, III (USA) 81

Penetration of topical and oral ofloxacin into the aqueous and vitreous humor of inflamed rabbit eyes
F. Öztürk, E. Kurt, Ü.Ü. İnan, S. Kortunay, S.S. İlker, N.E. Başcı, A. Bozkurt (Turkey) 91

The effects of prolonged acute use and inflammation on the ocular penetration of topical ciprofloxacin
F. Öztürk, E. Kurt, Ü.Ü. İnan, S. Kortunay, S.S. İlker, N.E. Başcı, A. Bozkurt (Turkey) 97

Synthesis and in vivo evaluation of [^{11}C]ICI 118551 as a putative subtype selective β_2-adrenergic radioligand
R.M. Moresco, M. Matarrese, D. Soloviev, P. Simonelli, M. Rigamonti, C. Gobbo, S. Todde, A. Carpinelli, M. Galli Kienle, F. Fazio (Italy) 101

Gastric retention and stability of lipidized Bowman–Birk protease inhibitor in mice
J. Wang, W.-C. Shen (USA) 111

Effects of liquid phase migration on extrusion of microcrystalline cellulose pastes
S.L. Rough, J. Bridgwater, D.I. Wilson (UK) 117

Oral mucosal bioadhesive tablets of pectin and HPMC: in vitro and in vivo evaluation
S. Miyazaki, N. Kawasaki, T. Nakamura, M. Iwatsu, T. Hayashi, W.-M. Hou, D. Attwood (Japan, PR China, UK) 127

(Contents continued on page 191)

CONTENTS Direct

This journal is part of **ContentsDirect**, the ***free*** alerting service which sends tables of contents by e-mail for Elsevier Science books and journals. You can register for **ContentsDirect** online at: **www.elsevier.nl/locate/contentsdirect**

0378-5173(20000620)204:1:2;1-9

05049

(Contents continued from outside back cover)

Hydrogen bonding in salicylsalicylic acid (salsalate) crystals
P.J. Cox, G.I. Gilmour, S.M. MacManus (UK) 133
Combined effect of oleic acid and polyethylene glycol 200 on buccal permeation of [D-Ala^2, D-Leu^5]enkephalin from a cubic phase of glyceryl monooleate
J. Lee, I.W. Kellaway (UK) 137
Investigation of drug release from suspension using FTIR-ATR technique: part I. Determination of effective diffusion coefficient of drugs
B. Duc Hanh, R.H.H. Neubert, S. Wartewig (Germany) 145
Investigation of drug release from suspension using FTIR-ATR technique: part II. Determination of dissolution coefficient of drugs
B. Duc Hanh, R.H.H. Neubert, S. Wartewig (Germany) 151
Skin delivery of oestradiol from lipid vesicles: importance of liposome structure
G.M.M. El Maghraby, A.C. Williams, B.W. Barry (UK) 159
Design and in vitro evaluation of adhesive matrix for transdermal delivery of propranolol
M. Guyot, F. Fawaz (France) 171

Noticeboard 183
Author Index 191